

Title (en)

Optical information recording medium, optical information recording method and optical information reproducing method

Title (de)

Optisches Informationsaufzeichnungsmedium, optisches Informationsaufzeichnungsverfahren und optisches Informationswiedergabeverfahren

Title (fr)

Support d'enregistrement optique de l'information, procédé d'enregistrement optique de l'information et procédé de reproduction optique de l'information

Publication

EP 1768119 A3 20071219 (EN)

Application

EP 06254427 A 20060824

Priority

- JP 2005244294 A 20050825
- JP 2005244275 A 20050825
- JP 2005362401 A 20051215

Abstract (en)

[origin: EP1768119A2] The present invention provides an optical recording medium, which contains a substrate (42); and a recording layer (41) disposed on the substrate, wherein the recording layer is subjected to recording of information using holography, wherein the recording layer contains a gas generating substance encapsulated in minute receptacles, and wherein the gas generating substance generates gas upon radiation of light. The present invention also provides an optical recording method, and an optical information reproducing method using such the optical recording medium.

IPC 8 full level

G11B 7/0065 (2006.01); **G11B 7/24** (2006.01); **G11B 7/24044** (2013.01)

CPC (source: EP US)

B82Y 10/00 (2013.01 - EP US); **G03F 7/001** (2013.01 - EP US); **G03F 7/002** (2013.01 - EP US); **G03F 7/0166** (2013.01 - EP US); **G03F 7/0215** (2013.01 - EP US); **G03F 7/0217** (2013.01 - EP US); **G11B 7/0065** (2013.01 - EP US); **G11B 7/24044** (2013.01 - EP US)

Citation (search report)

- [XY] JP H05204287 A 19930813 - TOYO BOSEKI
- [DY] JP H0572727 A 19930326 - TOYO BOSEKI
- [YA] WO 0109884 A1 20010208 - SIROS TECHNOLOGIES INC [US]
- [X] WO 2004070714 A1 20040819 - OPTWARE CORP [JP], et al & EP 1596376 A1 20051116 - OPTWARE CORP [JP]
- [A] US 5413893 A 19950509 - TSUKADA HARUMICHI [JP], et al
- [A] US 4430414 A 19840207 - SWANSON JEROME E [US]
- [PA] EP 1691237 A2 20060816 - FUJI PHOTO FILM CO LTD [JP]
- [XY] HIDEYOSHI HORIMAI ET AL: "Advanced Collinear Holography", OPTICAL REVIEW, SPRINGER-VERLAG, BE, vol. 12, no. 2, 1 March 2005 (2005-03-01), pages 90 - 92, XP019353262, ISSN: 1349-9432
- [X] HIDEYOSHI HORIMAI ET AL: "Collinear holography", APPLIED OPTICS, OSA, OPTICAL SOCIETY OF AMERICA, WASHINGTON, DC, US, vol. 44, no. 13, 1 May 2005 (2005-05-01), pages 2575 - 2579, XP007901854, ISSN: 0003-6935

Cited by

TWI454863B

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1768119 A2 20070328; EP 1768119 A3 20071219; US 2007047420 A1 20070301

DOCDB simple family (application)

EP 06254427 A 20060824; US 50827506 A 20060823